

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

**Search Session History**[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Edit an existing query or  
compose a new query in the  
Search Query Display.

Mon, 23 Apr 2007, 1:56:39 PM EST

**Search Query Display**

Select a search number (#)  
to:

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

**Recent Search Queries**

#1 (accelerat\* &lt;sentence&gt; curve\* &lt;sentence&gt; tyre) &lt;in&gt; pdfdata

Indexed by

[Help](#) [Contact Us](#) [Privacy & S](#)

© Copyright 2006 IEEE –


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

Search Results

[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "(accelerat\* &lt;sentence&gt; curve\* &lt;sentence&gt; tyre) &lt;in&gt; pdfdata"

Your search matched 8 of 1551427 documents.

e-mail

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

## » Search Options

[View Session History](#)[New Search](#)

## Modify Search

(accelerat\* &lt;sentence&gt; curve\* &lt;sentence&gt; tyre) &lt;in&gt; pdfdata

**Search**☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

## » Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

[view selected items](#)[Select All](#) [Deselect All](#)

- ☐ 1. **Dynamic performance of automated guideway transit vehicles with dual-**  
Nisonger, R.L.; Wormley, D.N.;  
[Vehicular Technology, IEEE Transactions on](#)  
Volume 28, Issue 1, Feb 1979 Page(s):88 - 94  
[AbstractPlus](#) | Full Text: [PDF](#)(608 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 2. **Nonlinear state and tire force estimation for advanced vehicle control**  
Ray, L.R.;  
[Control Systems Technology, IEEE Transactions on](#)  
Volume 3, Issue 1, March 1995 Page(s):117 - 124  
Digital Object Identifier 10.1109/87.370717  
[AbstractPlus](#) | Full Text: [PDF](#)(616 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 3. **The use of GPS for vehicle stability control systems**  
Daily, R.; Bevy, D.M.;  
[Industrial Electronics, IEEE Transactions on](#)  
Volume 51, Issue 2, April 2004 Page(s):270 - 277  
Digital Object Identifier 10.1109/TIE.2004.824851  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(464 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 4. **Analysis and redesign of an antilock brake system controller**  
Wellstead, P.E.; Pettit, N.B.O.L.;  
[Control Theory and Applications, IEE Proceedings-](#)  
Volume 144, Issue 5, Sept. 1997 Page(s):413 - 426  
[AbstractPlus](#) | Full Text: [PDF](#)(1348 KB) IET JNL
- ☐ 5. **Robust vehicle yaw control using active differential and internal model control techniques**  
Canale, M.; Fagiano, L.; Milanese, M.; Borodani, P.;  
[American Control Conference, 2006](#)  
14-16 June 2006 Page(s):6 pp.  
Digital Object Identifier 10.1109/ACC.2006.1657574  
[AbstractPlus](#) | Full Text: [PDF](#)(480 KB) IEEE CNF

[Rights and Permissions](#)

- ☐ **6. Design of a rally driver support system using ecological interface design**  
Kruit, J.D.; Mulder, M.; Amelink, M.; van Paassen, M.M.;  
[Systems, Man and Cybernetics, 2005 IEEE International Conference on](#)  
Volume 2, 10-12 Oct. 2005 Page(s):1235 - 1239 Vol. 2  
Digital Object Identifier 10.1109/ICSMC.2005.1571315  
[AbstractPlus](#) | Full Text: [PDF](#)(232 KB) IEEE CNF  
[Rights and Permissions](#)
  
- ☐ **7. Optimal path design in robot soccer environment**  
Lepetic, M.; Klančar, G.; Skrjanc, I.; Matko, D.; Potocnik, B.;  
[Industrial Technology, 2003 IEEE International Conference on](#)  
Volume 2, 10-12 Dec. 2003 Page(s):778 - 783 Vol.2  
Digital Object Identifier 10.1109/ICIT.2003.1290756  
[AbstractPlus](#) | Full Text: [PDF](#)(1519 KB) IEEE CNF  
[Rights and Permissions](#)
  
- ☐ **8. Path planning considering acceleration limits**  
Lepetic, M.; Klančar, G.; Skrjanc, I.; Matko, G.; Potocnik, B.;  
[EUROCON 2003. Computer as a Tool. The IEEE Region 8](#)  
Volume 1, 22-24 Sept. 2003 Page(s):337 - 341 vol.1  
[AbstractPlus](#) | Full Text: [PDF](#)(397 KB) IEEE CNF  
[Rights and Permissions](#)

Indexed by  
 Inspec

[Help](#) [Contact Us](#) [Privacy & S](#)

© Copyright 2006 IEEE –

## Refine Search

### Search Results -

| Terms                                      | Documents |
|--|-----------|
| L13 and (accelerat\$ with (curve or line)) | 1         |

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

10/508836

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Monday, April 23, 2007    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

**Set Name**   **Query**  
 side by side

**Hit Count**

**Set**  
**Name**  
 result set

*DB=EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR*

|            |  |       |            |
|------------|--|-------|------------|
| <u>L14</u> | L13 and (accelerat\$ with (curve or line))                   | 1     | <u>L14</u> |
| <u>L13</u> | L12 and (compar\$ with (curves or data))                     | 48    | <u>L13</u> |
| <u>L12</u> | L11 and ((tyre or tire) with (sensor or sensing or sense\$)) | 3736  | <u>L12</u> |
| <u>L11</u> | TYRE AND (vehicle or car or automobile)                      | 48162 | <u>L11</u> |

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR*

|            |   |       |            |
|------------|---|-------|------------|
| <u>L10</u> | L9 and (accelerat\$ with (curve or line))                   | 10    | <u>L10</u> |
| <u>L9</u>  | L7 and (compar\$ with (curves or data)).clm.                | 75    | <u>L9</u>  |
| <u>L8</u>  | L7 and (compar\$ with (curves or data))                     | 331   | <u>L8</u>  |
| <u>L7</u>  | L6 and sensors  | 2030  | <u>L7</u>  |
| <u>L6</u>  | L5 and ((tyre or tire) with (sensor or sensing or sense\$)) | 2522  | <u>L6</u>  |
| <u>L5</u>  | L4 and (vehicle or car or automobile)                       | 14403 | <u>L5</u>  |
| <u>L4</u>  | l2 or L3  | 20044 | <u>L4</u>  |

L3 L1 and @pd<=20030325  
L2 L1 and @ad<=20030325  
L1 tyre.clm. or tire.clm.

16838 L3  
20044 L2  
25504 L1

END OF SEARCH HISTORY

[First Hit](#)      [Previous Doc](#)      [Next Doc](#)      [Go to Doc#](#)  
**End of Result Set**

☐ [Generate Collection](#) [Print](#)

L14: Entry 1 of 1

File: DWPI

Nov 15, 2006

DERWENT-ACC-NO: 2003-779427

DERWENT-WEEK: 200677

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tyre behavior monitoring method for motor vehicles, involves comparing cyclic curve of acceleration profile derived from tyre with reference curve and emitting signal indicating behavior of tyre based on comparison

INVENTOR: BRUSAROSCO, M; FIORAVANTI, A P ; MANCOSU, F ; TALDO, A ; FIORAVANTI, A

PATENT-ASSIGNEE: PIRELLI PNEUMATICI SPA (PIRE), PIRELLI TYRE SPA (PIRE), BRUSAROSCO M (BRUSI), FIORAVANTI A P (FIORI), MANCOSU F (MANCI), TALDO A (TALDI)

PRIORITY-DATA: 2002WO-EP03498 (March 28, 2002)

[Search Selected](#)[Search ALL](#)[Clear](#)

## PATENT-FAMILY:

| PUB-NO   | PUB-DATE           | LANGUAGE | PAGES | MAIN-IPC   |
|--|--------------------|----------|-------|------------|
| <input type="checkbox"/> <a href="#">EP 1487681 B1</a>     | November 15, 2006  | E        | 000   | B60T008/00 |
| <input type="checkbox"/> <a href="#">WO 2003082643 A1</a>  | October 9, 2003    | E        | 033   | B60T008/00 |
| <input type="checkbox"/> <a href="#">AU 2002315757 A1</a>  | October 13, 2003   |          | 000   | B60T008/00 |
| <input type="checkbox"/> <a href="#">BR 200209721 A</a>    | July 27, 2004      |          | 000   | B60T008/00 |
| <input type="checkbox"/> <a href="#">EP 1487681 A1</a>     | December 22, 2004  | E        | 000   | B60T008/00 |
| <input type="checkbox"/> <a href="#">KR 2005014798 A</a>   | February 7, 2005   |          | 000   | B60T008/00 |
| <input type="checkbox"/> <a href="#">KR 2005016318 A</a>   | February 21, 2005  |          | 000   | B60T008/00 |
| <input type="checkbox"/> <a href="#">JP 2005521866 W</a>   | July 21, 2005      |          | 019   | G01P015/18 |
| <input type="checkbox"/> <a href="#">US 20050204806 A1</a> | September 22, 2005 |          | 000   | G01M017/02 |
| <input type="checkbox"/> <a href="#">CN 1649764 A</a>      | August 3, 2005     |          | 000   | B60T008/00 |
| <input type="checkbox"/> <a href="#">RU 2281215 C2</a>     | August 10, 2006    |          | 000   | B60T008/00 |

DESIGNATED-STATES: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR AE  
AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN  
MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN  
YU ZA ZM ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA  
PT SD SE SL SZ TR TZ UG ZM ZW AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV  
MC MK NL PT RO SE SI TR

## APPLICATION-DATA:

| PUB-NO          | APPL-DATE          | APPL-NO        | DESCRIPTOR |
|-----------------|--------------------|----------------|------------|
| EP 1487681B1    | March 28, 2002     | 2002EP-0740440 |            |
| EP 1487681B1    | March 28, 2002     | 2002WO-EP03498 |            |
| EP 1487681B1    |                    | WO2003082643   | Based on   |
| WO2003082643A1  | March 28, 2002     | 2002WO-EP03498 |            |
| AU2002315757A1  | March 28, 2002     | 2002AU-0315757 |            |
| AU2002315757A1  | March 28, 2002     | 2002WO-EP03498 |            |
| AU2002315757A1  |                    | WO2003082643   | Based on   |
| BR 200209721A   | March 28, 2002     | 2002BR-0009721 |            |
| BR 200209721A   | March 28, 2002     | 2002WO-EP03498 |            |
| BR 200209721A   |                    | WO2003082643   | Based on   |
| EP 1487681A1    | March 28, 2002     | 2002EP-0740440 |            |
| EP 1487681A1    | March 28, 2002     | 2002WO-EP03498 |            |
| EP 1487681A1    |                    | WO2003082643   | Based on   |
| KR2005014798A   | March 28, 2002     | 2002WO-EP03498 |            |
| KR2005014798A   | September 23, 2004 | 2004KR-0715113 |            |
| KR2005016318A   | September 23, 2004 | 2004KR-0715114 |            |
| JP2005521866W   | March 28, 2002     | 2002WO-EP03498 |            |
| JP2005521866W   | March 28, 2002     | 2003JP-0580133 |            |
| JP2005521866W   |                    | WO2003082643   | Based on   |
| US20050204806A1 | March 28, 2002     | 2002WO-EP03498 |            |
| US20050204806A1 | May 11, 2005       | 2005US-0508829 |            |
| CN 1649764A     | March 25, 2003     | 2003CN-0809542 |            |
| RU 2281215C2    | March 28, 2002     | 2002WO-EP03498 |            |
| RU 2281215C2    | March 28, 2002     | 2004RU-0131676 |            |
| RU 2281215C2    |                    | WO2003082643   | Based on   |

INT-CL (IPC): B60C 23/00; B60T 8/00; G01M 17/02; G01P 15/00; G01P 15/18

RELATED-ACC-NO: 2003-788324

ABSTRACTED-PUB-NO: WO2003082643A

## BASIC-ABSTRACT:

NOVELTY - The method involves storing a reference curve of the acceleration profile of a point of a tyre (1) and continuously acquiring acceleration signals in two directions on a point in the tyre during a portion of its revolution. A cyclic curve of the acceleration profile is derived from the signals, and is compared with the reference curve. A signal indicating the behavior of the tyre is emitted based on the comparison.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a system for monitoring behavior of a tyre in a rolling condition
- (b) a pneumatic tire with a sensor.

USE - Used for monitoring behavior of rolling tyres of motor vehicles.

ADVANTAGE - The method monitors the acceleration on two points that have

relationship with one another with respect to the global behavior of the tyre, to give the instantaneous behavior of the tyre. The two points have a specific behavior with respect to the interactions between the tyre and the road.

DESCRIPTION OF DRAWING(S) - The drawing shows a section view of a rolling tyre with a sensor.

Tyre 1

Sensor 2

Liner surface 111

ABSTRACTED-PUB-NO: WO2003082643A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/8

DERWENT-CLASS: Q11 Q18 S02 X22  
EPI-CODES: S02-J02A; X22-E02B;

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)



[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 6 of 48

File: JPAB

May 27, 2003

PUB-NO: JP02003154825A

DOCUMENT-IDENTIFIER: JP 2003154825 A

TITLE: TIRE AIR PRESSURE MONITORING DEVICE

PUBN-DATE: May 27, 2003

## INVENTOR-INFORMATION:

NAME

COUNTRY

HIROHAMA, TETSUO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

NISSAN MOTOR CO LTD

APPL-NO: JP2001353715

APPL-DATE: November 19, 2001

INT-CL (IPC): B60C 23/04; G01L 17/00; G01P 3/16; G08C 17/02; G08C 25/00

## ABSTRACT:

PROBLEM TO BE SOLVED: To provide a tire air pressure monitoring device that can automatically reregister an identification code without using dedicated equipment even upon tire replacement, by distinguishing a mounted tire and an unmounted tire.

SOLUTION: In a vehicle with a plurality of tires, the tire air pressure monitoring device comprises tire air pressure sensors 10 for detecting the air pressure of each tire and transmitting an ID and the detected air pressure peculiar to each tire via a radio signal, a receiving antenna 13b and a receiving circuit 13c mounted on the vehicle to receive the radio signals from the tire air pressure sensors 10, and a microcomputer 13f for conducting the mounted tire ID registration arithmetic processing of comparing stored IDs of mounted tires and IDs of data including an ON centrifugal switch signal, and if both IDs do not match, changing unmatched IDs for updated storage.

COPYRIGHT: (C)2003, JPO

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 7 of 48

File: JPAB

Apr 23, 2002

PUB-NO: JP02002120530A

DOCUMENT-IDENTIFIER: JP 2002120530 A

TITLE: MONITORING METHOD FOR PNEUMATIC TIRE, AND MONITORING DEVICE THEREFOR

PUBN-DATE: April 23, 2002

## INVENTOR-INFORMATION:

NAME

COUNTRY

RIN, SHOTEI

KAN, EIGEN

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

LITE ON AUTOMOTIVE CORP

APPL-NO: JP2001247416

APPL-DATE: August 16, 2001

PRIORITY-DATA: 2000TW-89117036 (August 22, 2000)

INT-CL (IPC): B60C 23/02; B60C 19/00; B60C 23/20

## ABSTRACT:

PROBLEM TO BE SOLVED: To provide a monitoring method for a pneumatic tire used in a car, and a monitoring device therefor.

SOLUTION: In this monitoring method for a pneumatic tire used in a car, and this monitoring device therefor, a sensor module, and an analysis module comprising a wireless frequency antenna, a memory, a processor, a display unit, and a siren are included. The sensor module monitors states of the tire to compare first data indicating the state of the tire when the car is started with second data indicating the state of the tire after the car is started. When difference between both is larger than a first specified value, that is 1.4PSI, for example, it is determined that the tire is in a slow/leak state.

COPYRIGHT: (C)2002, JPO

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 2 of 48

File: JPAB

Jun 29, 2006

PUB-NO: JP02006168633A

DOCUMENT-IDENTIFIER: JP 2006168633 A

TITLE: OPTIMUM ARRANGEMENT POSITION DETERMINATION SYSTEM FOR TIRE INFORMATION  
READING DEVICE

PUBN-DATE: June 29, 2006

## INVENTOR-INFORMATION:

NAME

COUNTRY

YAMADA, TATSUHIKO

FUKUMORI, HAJIME

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

BRIDGESTONE CORP

APPL-NO: JP2004366413

APPL-DATE: December 17, 2004

## INT-CL(IPCR):

| TYPE | IPC       | DATE     | IPC-OLD    |
|------|-----------|----------|------------|
| IPCP | B60C23/04 | 20060101 | B60C023/04 |
| IPFC | B60C23/02 | 20060101 | B60C023/02 |
| IPFC | B60C23/20 | 20060101 | B60C023/20 |
| IPFC | G01L17/00 | 20060101 | G01L017/00 |

## ABSTRACT:

PROBLEM TO BE SOLVED: To provide an optimum arrangement position determination system for a tire information reading device capable of finding the optimum arrangement position of the tire information reading device even at a place or the like to which a person cannot enter and in traveling of the vehicle.

SOLUTION: The optimum arrangement position determination system is provided with a sensor device 3 mounted to the inside of the tire of the vehicle; a tire information reading device 1 for extracting measurement data from a radio signal from the sensor device 3 and measuring receiving signal intensity of the radio signal; a central control device 5 for storing the measurement data from the tire information reading device 1, storing the receiving signal intensity value in every arrangement position of the tire information reading device 1, comparing the receiving signal intensity value in every arrangement position of the tire information reading device 1 and determining the maximum receiving signal intensity to determine the optimum arrangement position of the tire information reading device 1; and a display part 7 for displaying the information of the optimum arrangement position of the tire information reading device 1.

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 4 of 48

File: JPAB

Jan 13, 2005

PUB-NO: JP02005008039A

DOCUMENT-IDENTIFIER: JP 2005008039 A

TITLE: TIRE AIR PRESSURE MONITORING DEVICE

PUBN-DATE: January 13, 2005

## INVENTOR-INFORMATION:

NAME

COUNTRY

KIN, KEIYU

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

HONDA MOTOR CO LTD

APPL-NO: JP2003174399

APPL-DATE: June 19, 2003

INT-CL (IPC): B60C 23/06; G01L 17/00

## ABSTRACT:

PROBLEM TO BE SOLVED: To provide a tire air pressure monitoring device, monitoring the air pressure of a tire with high accuracy although adopting a comparatively simple constitution.

SOLUTION: In a vehicle C, four wheels W (right and left front wheels Wfl, Wfr and right and left rear wheels Wrl, Wrr) are respectively provided with wheel speed sensors VS (VSfl, Vsfr, Vsrl, VSrr) for detecting the wheel speed (Vfl, Vfr, Vrl, Vrr) as a wheel vibration detecting means. The tire air pressure monitoring device 1 creates a vibration frequency reference spectral data in a predetermined speed range from the detection result of the wheel speed sensor V when the air pressure of the tire is a normal value, and compares the vibration frequency spectral data at the current time with the vibration frequency reference spectral data in the current speed range to determine lowering of the air pressure when the comparison result exceeds a predetermined value.

COPYRIGHT: (C)2005, JPO&amp;NCIPI

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 11 of 48

File: JPAB

Dec 12, 1991

PUB-NO: JP403281406A

DOCUMENT-IDENTIFIER: JP 03281406 A

TITLE: CONTROL DEVICE FOR TIRE PRESSURE

PUBN-DATE: December 12, 1991

## INVENTOR-INFORMATION:

NAME

COUNTRY

KAMIMURA, HIROKI

MURAKAWA, KATSUJI

NIIBE, TADAYUKI

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

MAZDA MOTOR CORP

APPL-NO: JP02083628

APPL-DATE: March 29, 1990

US-CL-CURRENT: 340/442

INT-CL (IPC): B60C 23/00

## ABSTRACT:

PURPOSE: To improve running-ability on a road surface having low coefficient of friction by heightening the tire pressure in the case of the coefficient of friction on a detected road surface being below a fixed value at high outside air temperature and lowering it at low outside air temperature through a control device for tire pressure for a car whose tire pressure is varied in its running state.

CONSTITUTION: Information sent from air pressure sensors 211-214 for tires 1-4, wheel load sensors 221-224, a car speed sensor 23, a road surface sensor 24, an outside air temperature sensor 25 and an ignition switch 26 is inputted into a controller 20, which determines the coefficient of friction  $\mu$  of the road surface on the data given by the road surface sensor 24 to compare it with a fixed value. When it is below the fixed value, the tire pressure is controlled on the outside air temperature detected by the outside air temperature sensor 25. Namely, the tire pressure is lowered in the case of the outside air temperature below the fixed value, and heightened in the case of the outside air temperature above the fixed value. This formation can improve running ability on the road surface having the low coefficient of friction.

COPYRIGHT: (C)1991,JPO&amp;Japio

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 16 of 48

File: EPAB

Aug 23, 2001

PUB-NO: WO000160644A1

DOCUMENT-IDENTIFIER: WO 160644 A1

TITLE: SYSTEM FOR DETECTING THE OPTIMUM TYRE INFLATION PRESSURE

PUBN-DATE: August 23, 2001

## INVENTOR-INFORMATION:

NAME

BARTELS, OLIVER

COUNTRY

DE

## ASSIGNEE-INFORMATION:

NAME

IQ MOBIL ELECTRONICS GMBH

BARTELS OLIVER

COUNTRY

DE

DE

APPL-NO: EP00101741

APPL-DATE: February 16, 2001

PRIORITY-DATA: DE10007558A (February 18, 2000)

INT-CL (IPC): B60C 23/04

EUR-CL (EPC): B60C023/04

## ABSTRACT:

CHG DATE=20011002 STATUS=N>The invention relates to a device or a system for detecting the desired value of the tyre inflation pressure and the tyre state in a motor vehicle or aircraft having wheels which are filled with air or gas, at least one sensor (DS>1<) for detecting the real value of the tyre inflation pressure, at least one additional sensor (TS>1<) for detecting measured values of the chassis and the environment and at least one evaluation unit (R>1<). The device is characterised in that the tyre inflation pressure sensor (DS>1<) continually supplies measured values to the evaluation unit, that the additional sensor supplies measured values which can be timely allocated to the measured values of the tyre inflation pressure sensor, that the evaluation unit compares the two measured values or supplies said values to a chassis model and that the results of the comparison or the data derived from the chassis model are used for providing the driver with a suggestion about the tyre inflation pressure or tyre type that is sensible for his/her way of use and driving style or for giving warning signs based on the current chassis states.

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 17 of 48

File: EPAB

Oct 19, 2000

PUB-NO: DE019917360A1

DOCUMENT-IDENTIFIER: DE 19917360 A1

TITLE: Tire damage detection system for cars uses acoustic sensors in the wheel rims

PUBN-DATE: October 19, 2000

## INVENTOR-INFORMATION:

NAME

TOMALLA, GEBHARD

COUNTRY

DE

## ASSIGNEE-INFORMATION:

NAME

TOMALLA JUTTA

COUNTRY

DE

APPL-NO: DE19917360

APPL-DATE: April 16, 1999

PRIORITY-DATA: DE19917360A (April 16, 1999)

INT-CL (IPC): G01H 1/00; G01M 17/02; B60C 23/02

EUR-CL (EPC): B60C023/02; B60C023/06, G08C017/02 , G08C023/02

## ABSTRACT:

CHG DATE=20010302 STATUS=O>The tire damage detection system has acoustic sensors (1-4) in the car wheel rim which send data by a radio link to a central analysis unit (5) which compares the road noise of the tires and can display (6) a warning if any tire differs for a long time.

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 18 of 48

File: EPAB

Apr 1, 1998

PUB-NO: EP000832766A2

DOCUMENT-IDENTIFIER: EP 832766 A2

TITLE: Tire pressure detecting device

PUBN-DATE: April 1, 1998

## INVENTOR-INFORMATION:

NAME

COUNTRY

TOMINAGA, MOTONORI

JP

NISHIKAWA, YOSHIHIRO

JP

SUZUKI, MOTOJI

JP

FUJIWARA, KENJI

JP

OHASHI, HIDEKI

JP

UMENO, TAKAJI

JP

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

NIPPON SOKEN

JP

DENSO CORP

JP

TOYOTA MOTOR CO LTD

JP

APPL-NO: EP97116575

APPL-DATE: September 23, 1997

PRIORITY-DATA: JP27547996A (September 25, 1996)


INT-CL (IPC): B60C 23/06

EUR-CL (EPC): B60C023/06

## ABSTRACT:

CHG DATE=19990617 STATUS=O> When pressure in any one of tires of a vehicle becomes abnormally low, the tire pressure detecting device detects it and gives a warning to a driver. The tire pressure detection is solely performed based on a value (D) calculated by an on-board micro computer (2) from wheel speeds of each wheel sensed by wheel speed sensors (1a. SIMILAR 1d). The calculated value (D) to be used for the tire pressure detection must represent correctly the tire pressure. Whenever the calculated value has a possibility to misrepresent the tire pressure, such value is eliminated from the data for judging the tire pressure. When the value is calculated under a situation where any tire is slipping relative to a road surface, it is highly possible that the calculated value misrepresents the tire pressure. The situation where the tire slippage exists is found out by comparing a driving wheel acceleration (ARR, ARL) with a driven wheel acceleration (AFR, AFL), and the value (D) calculated under such situation is omitted from the data to be used for judging the tire pressure. It is also possible to prohibit calculation of the value (D) when the tire slippage is found out. Thus, the tire pressure is detected with a



high reliability. 

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 19 of 48

File: EPAB

Aug 13, 1997

PUB-NO: EP000788901A1

DOCUMENT-IDENTIFIER: EP 788901 A1

TITLE: Method of detecting a deflated tyre on a vehicle

PUBN-DATE: August 13, 1997

## INVENTOR-INFORMATION:

NAME

JONES, DAVID

COUNTRY

GB

## ASSIGNEE-INFORMATION:

NAME

SUMITOMO RUBBER IND

COUNTRY

JP

APPL-NO: EP97300712

APPL-DATE: February 5, 1997

PRIORITY-DATA: GB09602442A (February 7, 1996)

INT-CL (IPC): B60C 23/06

EUR-CL (EPC): B60C023/06

## ABSTRACT:

CHG DATE=19990617 STATUS=O> A method of detecting a deflated tyre on a vehicle by comparing the rolling radii of the tyres by means of comparing angular velocity speed signal values C1, C2, C3 and C4 from wheel speed sensors on wheels 1-4 at the left-hand front, right-hand front, left-hand rear and right-hand rear wheel positions respectively, comprising the step of calculating an error value DEL' in normal driving by processing the four angular velocity speed signal values C1-C4 in a central process unit (10) which subtracts the sum of the signal values from one pair of diagonally opposite wheels from the sum of the signal values from the other pair of diagonally opposite wheels and expressing the result as a percentage of the mean of the sums the step of sensing when the magnitude of the error value DEL' is between a DEL'MIN value of 0.05 and a DEL'MAX value of 0.5 and when it is carrying out the step of deciding which tyre is apparently deflated by comparison of the angular velocity speed signal values C1-C4 with each other, and finally operating a tyre warning indicator in the vehicle to warn the driver that that particular tyre is deflated, characterised by a semi-automatic standardisation procedure initiated by the driver comprising firstly recording a data-set DS of four values Ct1-Ct4 comprising the total wheel speed signal values C1-C4 for each wheel 1-4 in a predetermined time period t, secondly deciding if the data-set DS is acceptable or unacceptable, repeating the said recording and deciding until a predetermined number N of acceptable data-sets Ds have been accumulated, deriving wheel speed factors FAW(1)-FAW(4) for each of the four wheels 1-4 respectively by dividing the accumulated overall total number of wheel speed signal values Ct1-Ct4 of each wheel 1-4 by the accumulated overall total wheel speed signal values of any one of the wheels 1-4, and subsequently in normal driving correcting the four wheel speed

signal values C1-C4 by dividing each value by its respective wheel speed factor FAW (1)-FAW(4) and using these corrected wheel speed values to calculate the error

value DEL'.



[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 21 of 48

File: DWPI

Sep 14, 2006

DERWENT-ACC-NO: 2006-683051

DERWENT-WEEK: 200671

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Light disconnection measuring device for measuring tread depth of tire, measures step-difference by comparing image data of bright line image of slit light formed on ground contact plane of tire, and reference length data

INVENTOR: KAWADA, M; MONMA, H ; MORIYA, M

PATENT-ASSIGNEE: MORITEX KK (MORIN)

PRIORITY-DATA: 2005JP-0056992 (March 2, 2005)

Search Selected

Search ALL

Clear

## PATENT-FAMILY:

| PUB-NO  | PUB-DATE           | LANGUAGE | PAGES | MAIN-IPC   |
|---|--------------------|----------|-------|------------|
| <input type="checkbox"/> <u>JP 2006242674 A</u> | September 14, 2006 |          | 009   | G01B011/14 |

## APPLICATION-DATA:

| PUB-NO        | APPL-DATE     | APPL-NO        | DESCRIPTOR |
|---------------|---------------|----------------|------------|
| JP2006242674A | March 2, 2005 | 2005JP-0056992 |            |

INT-CL (IPC): G01B 11/14; G01B 11/22; G01B 11/24

ABSTRACTED-PUB-NO: JP2006242674A

BASIC-ABSTRACT:

NOVELTY - A light source (10) radiates a slit light on ground contact plane (S) of tire. A handset (2) has a camera (11) to image a bright line image of slit light formed on the contact plane of tire, at a direction different from irradiation axis. A sensor (12) detects the movement distance of handset on the contact plane of tire, by the rotation of rollers (7R,7L) along the circumference of tire. An image processor (4) measures a gap or step-difference by comparing the image data obtained from camera during fixed distance movement of handset, and reference length data.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for image pick-up device for bright-line image.

USE - For measuring tread depth of motor vehicle tire at repair shop and gasoline shop.

ADVANTAGE - The data of several measuring points distributed two-dimensionally on

the ground contact plane of tire, can be measured rapidly and accurately.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the light disconnection device. (Drawing includes non-English language text)

handset 2

image processor 4

rollers 7R,7L

light source 10

camera 11

sensor 12

ground contact plane of tire S

ABSTRACTED-PUB-NO: JP2006242674A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/6

DERWENT-CLASS: S02 S03 W04 X22

EPI-CODES: S02-A03B3; S02-J02A; S03-E04X; W04-M01B1; W04-M01H; X22-X16;

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection



Print

L13: Entry 22 of 48

File: DWPI

Jun 29, 2006

DERWENT-ACC-NO: 2006-495604

DERWENT-WEEK: 200651

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Optimal arrangement position determination system of tire information reader, compares strength of radio signal containing tire related data received corresponding to each arrangement position of tire information reader

INVENTOR: FUKUMORI, H; YAMADA, T

PATENT-ASSIGNEE: BRIDGESTONE CORP (BRID)

PRIORITY-DATA: 2004JP-0366413 (December 17, 2004)

Search Selected

Search ALL

Clear

## PATENT-FAMILY:

| PUB-NO  | PUB-DATE      | LANGUAGE | PAGES | MAIN-IPC   |
|---|---------------|----------|-------|------------|
| <input type="checkbox"/> <u>JP 2006168633 A</u> | June 29, 2006 |          | 009   | B60C023/02 |

## APPLICATION-DATA:

| PUB-NO        | APPL-DATE         | APPL-NO        | DESCRIPTOR |
|---------------|-------------------|----------------|------------|
| JP2006168633A | December 17, 2004 | 2004JP-0366413 |            |

INT-CL (IPC): B60C 23/00; B60C 23/02; B60C 23/04; B60C 23/20; G01L 17/00

ABSTRACTED-PUB-NO: JP2006168633A

## BASIC-ABSTRACT:

NOVELTY - Measuring unit (12) of tire information reader (1) measures strength of received radio signal containing tire related data such as tire pneumatic pressure output by sensor (3) fixed to tire. Detector (15) compares strength of radio signal received corresponding to each arrangement position of tire information reader, to detect optimal arrangement position of reader. Display (7) displays information about detected position.

USE - For determining optimal arrangement position of tire information reader used for measuring pneumatic pressure and temperature of tire of vehicle.

ADVANTAGE - Optimal arrangement position of tire information reader can be determined reliably even in vehicle driving state. Tire information reader can be quickly installed at optimal position in vehicle.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of optimal arrangement position determination system. (Drawing includes non-English language text).

tire information reader 1

sensor 3

central controller(7) display 5

measuring unit 12

detector 15

ABSTRACTED-PUB-NO: JP2006168633A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/4

DERWENT-CLASS: S02 W01 W02 W05 X22

EPI-CODES: S02-F04C1A; S02-K03A5X; W01-A07H2; W02-G03J1A; W05-D07D; W05-D08E; X22-E02B;

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 23 of 48

File: DWPI

Jul 21, 2005

DERWENT-ACC-NO: 2005-513189

DERWENT-WEEK: 200553

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: System for protection of occupants of vehicle in case of damaged or flat tire, comprising sensor, processing and indicating components

INVENTOR: SCHMIDT, R

PATENT-ASSIGNEE: DAIMLERCHRYSLER AG (DAIM)

PRIORITY-DATA: 2003DE-1060722 (December 23, 2003)

Search Selected

Search ALL

Clear

## PATENT-FAMILY:

| PUB-NO   | PUB-DATE      | LANGUAGE | PAGES | MAIN-IPC   |
|--|---------------|----------|-------|------------|
| <input type="checkbox"/> <u>DE 10360722 A1</u> | July 21, 2005 |          | 006   | B60R021/01 |

## APPLICATION-DATA:

| PUB-NO        | APPL-DATE         | APPL-NO        | DESCRIPTOR |
|---------------|-------------------|----------------|------------|
| DE 10360722A1 | December 23, 2003 | 2003DE-1060722 |            |

INT-CL (IPC): B60C 23/00; B60K 28/16; B60R 21/01; B60T 8/32

ABSTRACTED-PUB-NO: DE 10360722A

## BASIC-ABSTRACT:

NOVELTY - A sensor element (2) is attached to the tire (1) or the wheel rim, permanently transmitting signals to an evaluating and processing unit (4) where the incoming data are compared with saved reference data (6). In case of a difference between the compared data the appropriate occupant protection device is activated, which can be the seatbelt tightener, the emergency brake system (8), the electronic position correction system, the external (10) and internal signal lights, or a navigation reference data transmission for a rescue operation.

USE - The sensor, the processing, and the indicating components are parts of a comprehensive system for the protection of the occupants of a vehicle in case of a damaged or flat tire.

ADVANTAGE - An increased safety for the driver and the passengers is provided.

DESCRIPTION OF DRAWING(S) - The drawing shows a top view of the vehicle.

Tires 1



Pressure sensors 2

Connecting ducts 3, 7

Control device 4

Memory 6

ABS-system 8

Indicator 9

External signal light 10

Dashboard 11

ABSTRACTED-PUB-NO: DE 10360722A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/1

DERWENT-CLASS: Q11 Q13 Q17 Q18 W05 X22  
EPI-CODES: W05-B07; W05-B10; X22-C02C3; X22-E02B;

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 24 of 48

File: DWPI

Mar 30, 2005

DERWENT-ACC-NO: 2004-161536

DERWENT-WEEK: 200522

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tire pressure sensors position identification method in two-wheeled motor vehicle, involves comparing pneumatic pressure detection data received from front and rear wheel sensors with prestored pressure value

PATENT-ASSIGNEE: NIPPONDENSO CO LTD (NPDE)

PRIORITY-DATA: 2002JP-0187380 (June 27, 2002)

Search Selected

Search ALL

Clear

## PATENT-FAMILY:

| PUB-NO                                   | PUB-DATE         | LANGUAGE | PAGES | MAIN-IPC   |
|--|------------------|----------|-------|------------|
| <input type="checkbox"/> JP 3633590 B2   | March 30, 2005   |          | 018   | B60C023/04 |
| <input type="checkbox"/> JP 2004026062 A | January 29, 2004 |          | 016   | B60C023/04 |

## APPLICATION-DATA:

| PUB-NO        | APPL-DATE     | APPL-NO        | DESCRIPTOR     |
|---------------|---------------|----------------|----------------|
| JP 3633590B2  | June 27, 2002 | 2002JP-0187380 |                |
| JP 3633590B2  |               | JP2004026062   | Previous Publ. |
| JP2004026062A | June 27, 2002 | 2002JP-0187380 |                |

INT-CL (IPC): B60C 23/02; B60C 23/04; G01L 17/00; G08B 21/00

ABSTRACTED-PUB-NO: JP2004026062A

## BASIC-ABSTRACT:

NOVELTY - The tire pressure sensors are mounted at front and rear wheels of a vehicle. The pneumatic pressure detection data and identification (ID) are received from sensors, and the ID of respective wheel sensors are identified by comparing the pressure data with prestored pressure-setting value.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) identification registration method;
- (2) position identification system;
- (3) identification registration system; and
- (4) tire pressure monitoring system.

USE - For identifying the position of tire-pressure sensors fitted at front/rear wheels of two-wheeled vehicle.

ADVANTAGE - By performing ID registration of sensors automatically, the identification of either front or rear wheel is performed easily, therefore reduces the man-hour in ID registration.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart describing the control process of identification automatic registration done by tire pressure monitoring apparatus. (Drawing includes non-English language text).

ABSTRACTED-PUB-NO: JP2004026062A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.2/7

DERWENT-CLASS: Q11 S02 T01 W05 X22

EPI-CODES: S02-A06C; S02-F04C1A; T01-C08B; T01-J07D1; W05-D07D; X22-P02; X22-X06;

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L13: Entry 27 of 48

File: DWPI

Nov 15, 2006

DERWENT-ACC-NO: 2003-779427

DERWENT-WEEK: 200677

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tyre behavior monitoring method for motor vehicles, involves comparing cyclic curve of acceleration profile derived from tyre with reference curve and emitting signal indicating behavior of tyre based on comparison

INVENTOR: BRUSAROSCO, M; FIORAVANTI, A P ; MANCOSU, F ; TALDO, A ; FIORAVANTI, A

PATENT-ASSIGNEE: PIRELLI PNEUMATICI SPA (PIRE), PIRELLI TYRE SPA (PIRE), BRUSAROSCO M (BRUSI), FIORAVANTI A P (FIORI), MANCOSU F (MANCI), TALDO A (TALDI)

PRIORITY-DATA: 2002WO-EP03498 (March 28, 2002)

Search Selected

Search ALL

Clear

## PATENT-FAMILY:

| PUB-NO  | PUB-DATE           | LANGUAGE | PAGES | MAIN-IPC   |
|---|--------------------|----------|-------|------------|
| <input type="checkbox"/> <u>EP 1487681 B1</u>     | November 15, 2006  | E        | 000   | B60T008/00 |
| <input type="checkbox"/> <u>WO 2003082643 A1</u>  | October 9, 2003    | E        | 033   | B60T008/00 |
| <input type="checkbox"/> <u>AU 2002315757 A1</u>  | October 13, 2003   |          | 000   | B60T008/00 |
| <input type="checkbox"/> <u>BR 200209721 A</u>    | July 27, 2004      |          | 000   | B60T008/00 |
| <input type="checkbox"/> <u>EP 1487681 A1</u>     | December 22, 2004  | E        | 000   | B60T008/00 |
| <input type="checkbox"/> <u>KR 2005014798 A</u>   | February 7, 2005   |          | 000   | B60T008/00 |
| <input type="checkbox"/> <u>KR 2005016318 A</u>   | February 21, 2005  |          | 000   | B60T008/00 |
| <input type="checkbox"/> <u>JP 2005521866 W</u>   | July 21, 2005      |          | 019   | G01P015/18 |
| <input type="checkbox"/> <u>US 20050204806 A1</u> | September 22, 2005 |          | 000   | G01M017/02 |
| <input type="checkbox"/> <u>CN 1649764 A</u>      | August 3, 2005     |          | 000   | B60T008/00 |
| <input type="checkbox"/> <u>RU 2281215 C2</u>     | August 10, 2006    |          | 000   | B60T008/00 |

DESIGNATED-STATES: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR AE  
AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN  
MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN  
YU ZA ZM ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA  
PT SD SE SL SZ TR TZ UG ZM ZW AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV  
MC MK NL PT RO SE SI TR

APPLICATION-DATA:

| PUB-NO          | APPL-DATE          | APPL-NO        | DESCRIPTOR |
|-----------------|--------------------|----------------|------------|
| EP 1487681B1    | March 28, 2002     | 2002EP-0740440 |            |
| EP 1487681B1    | March 28, 2002     | 2002WO-EP03498 |            |
| EP 1487681B1    |                    | WO2003082643   | Based on   |
| WO2003082643A1  | March 28, 2002     | 2002WO-EP03498 |            |
| AU2002315757A1  | March 28, 2002     | 2002AU-0315757 |            |
| AU2002315757A1  | March 28, 2002     | 2002WO-EP03498 |            |
| AU2002315757A1  |                    | WO2003082643   | Based on   |
| BR 200209721A   | March 28, 2002     | 2002BR-0009721 |            |
| BR 200209721A   | March 28, 2002     | 2002WO-EP03498 |            |
| BR 200209721A   |                    | WO2003082643   | Based on   |
| EP 1487681A1    | March 28, 2002     | 2002EP-0740440 |            |
| EP 1487681A1    | March 28, 2002     | 2002WO-EP03498 |            |
| EP 1487681A1    |                    | WO2003082643   | Based on   |
| KR2005014798A   | March 28, 2002     | 2002WO-EP03498 |            |
| KR2005014798A   | September 23, 2004 | 2004KR-0715113 |            |
| KR2005016318A   | September 23, 2004 | 2004KR-0715114 |            |
| JP2005521866W   | March 28, 2002     | 2002WO-EP03498 |            |
| JP2005521866W   | March 28, 2002     | 2003JP-0580133 |            |
| JP2005521866W   |                    | WO2003082643   | Based on   |
| US20050204806A1 | March 28, 2002     | 2002WO-EP03498 |            |
| US20050204806A1 | May 11, 2005       | 2005US-0508829 |            |
| CN 1649764A     | March 25, 2003     | 2003CN-0809542 |            |
| RU 2281215C2    | March 28, 2002     | 2002WO-EP03498 |            |
| RU 2281215C2    | March 28, 2002     | 2004RU-0131676 |            |
| RU 2281215C2    |                    | WO2003082643   | Based on   |

INT-CL (IPC): B60C 23/00; B60T 8/00; G01M 17/02; G01P 15/00; G01P 15/18

RELATED-ACC-NO: 2003-788324

ABSTRACTED-PUB-NO: WO2003082643A

BASIC-ABSTRACT:

NOVELTY - The method involves storing a reference curve of the acceleration profile of a point of a tyre (1) and continuously acquiring acceleration signals in two directions on a point in the tyre during a portion of its revolution. A cyclic curve of the acceleration profile is derived from the signals, and is compared with the reference curve. A signal indicating the behavior of the tyre is emitted based on the comparison.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a system for monitoring behavior of a tyre in a rolling condition
- (b) a pneumatic tire with a sensor.

USE - Used for monitoring behavior of rolling tyres of motor vehicles.

ADVANTAGE - The method monitors the acceleration on two points that have relationship with one another with respect to the global behavior of the tyre, to

give the instantaneous behavior of the tyre. The two points have a specific behavior with respect to the interactions between the tyre and the road.

DESCRIPTION OF DRAWING(S) - The drawing shows a section view of a rolling tyre with a sensor.

Tyre 1

Sensor 2

Liner surface 111

ABSTRACTED-PUB-NO: WO2003082643A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/8

DERWENT-CLASS: Q11 Q18 S02 X22  
EPI-CODES: S02-J02A; X22-E02B;

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

## Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 21 through 30 of 48 returned.

☐ 21. Document ID: JP 2006242674 A

L13: Entry 21 of 48

File: DWPI

Sep 14, 2006

DERWENT-ACC-NO: 2006-683051

DERWENT-WEEK: 200671

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Light disconnection measuring device for measuring tread depth of tire, measures step-difference by comparing image data of bright line image of slit light formed on ground contact plane of tire, and reference length data

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 22. Document ID: JP 2006168633 A

L13: Entry 22 of 48

File: DWPI

Jun 29, 2006

DERWENT-ACC-NO: 2006-495604

DERWENT-WEEK: 200651

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Optimal arrangement position determination system of tire information reader, compares strength of radio signal containing tire related data received corresponding to each arrangement position of tire information reader

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 23. Document ID: DE 10360722 A1

L13: Entry 23 of 48

File: DWPI

Jul 21, 2005

DERWENT-ACC-NO: 2005-513189

DERWENT-WEEK: 200553

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: System for protection of occupants of vehicle in case of damaged or flat tire, comprising sensor, processing and indicating components

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 24. Document ID: JP 3633590 B2, JP 2004026062 A

L13: Entry 24 of 48

File: DWPI

Mar 30, 2005

DERWENT-ACC-NO: 2004-161536

DERWENT-WEEK: 200522

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tire pressure sensor position identification method in two-wheeled motor vehicle, involves comparing pneumatic pressure detection data received from front and rear wheel sensors with prestored pressure value

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|----------|-------------|--------|------|---------|

☐ 25. Document ID: EP 1365225 A1, US 20030214394 A1

L13: Entry 25 of 48

File: DWPI

Nov 26, 2003

DERWENT-ACC-NO: 2004-021692

DERWENT-WEEK: 200402

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tire performance sensing process for automobile e.g. car, involves comparing base line and updated analyses to provide output data that is applied against preprogrammed standards to generate signal

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|----------|-------------|--------|------|---------|

☐ 26. Document ID: KR 2003083471 A

L13: Entry 26 of 48

File: DWPI

Oct 30, 2003

DERWENT-ACC-NO: 2004-165083

DERWENT-WEEK: 200416

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Method for transmitting data of pressure sensor of vehicle tire using change of magnetic field

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|----------|-------------|--------|------|---------|

☐ 27. Document ID: EP 1487681 B1, WO 2003082643 A1, AU 2002315757 A1, BR 200209721 A, EP 1487681 A1, KR 2005014798 A, KR 2005016318 A, JP 2005521866 W, US 20050204806 A1, CN 1649764 A, RU 2281215 C2

L13: Entry 27 of 48

File: DWPI

Nov 15, 2006

DERWENT-ACC-NO: 2003-779427

DERWENT-WEEK: 200677

COPYRIGHT 2007 DERWENT INFORMATION LTD



TITLE: Tyre behavior monitoring method for motor vehicles, involves comparing cyclic curve of acceleration profile derived from tyre with reference curve and emitting signal indicating behavior of tyre based on comparison

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 28. Document ID: GB 2386428 B, GB 2386428 A

L13: Entry 28 of 48

File: DWPI

Jan 14, 2004

DERWENT-ACC-NO: 2003-880565

DERWENT-WEEK: 200410

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Vehicle tire monitoring system uses microprocessor to supply reference signal to a comparator circuit to determine when to send pressure and temperature data to central control

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 29. Document ID: GB 2386427 B, GB 2386427 A

L13: Entry 29 of 48

File: DWPI

Dec 24, 2003

DERWENT-ACC-NO: 2003-880564

DERWENT-WEEK: 200404

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Data transmission unit used in a vehicle tire monitoring system uses microprocessor to supply reference signal to a comparator circuit to determine condition to send data

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 30. Document ID: JP 2003146037 A

L13: Entry 30 of 48

File: DWPI

May 21, 2003

DERWENT-ACC-NO: 2003-474595

DERWENT-WEEK: 200345

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tire pneumatic pressure reduction method involves determining pneumatic pressure reduction by comparing measured velocity of vehicle and wheel speed calculated from rotation data of tire

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

|       |                     |       |          |           |               |
|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

## Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 31 through 40 of 48 returned.

☐ 31. Document ID: US 7032436 B2, WO 200198123 A1, EP 1219515 A1, US 20020162389 A1, JP 2002503575 X

L13: Entry 31 of 48

File: DWPI

Apr 25, 2006

DERWENT-ACC-NO: 2002-130780

DERWENT-WEEK: 200629

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Vehicular running state estimating device, vehicle control device, and tire wheel for measuring the state of a motor vehicle, estimates road surface state by measuring vibration level

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 32. Document ID: KR 2001097490 A

L13: Entry 32 of 48

File: DWPI

Nov 8, 2001

DERWENT-ACC-NO: 2002-213892

DERWENT-WEEK: 200227

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Device for non-contact judging of type of vehicle according to calculating axis numbers of vehicle and size of tire and method for judging type of vehicle

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 33. Document ID: CN 1257076 C, WO 200136241 A1, AU 200111465 A, BR 200015627 A, EP 1230115 A1, US 20020166373 A1, US 6561018 B2, JP 2003514707 W, CN 1399599 A, EP 1230115 B1, DE 60018199 E, ES 2238321 T3, DE 60018199 T2

L13: Entry 33 of 48

File: DWPI

May 24, 2006

DERWENT-ACC-NO: 2001-408114

DERWENT-WEEK: 200661

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Instantaneous monitoring system for motor vehicle tires using comparison with a basic reference curve of the spatial position of a specified point on the tire with instantaneous signals to improve monitoring during cornering

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 34. Document ID: DE 20006944 U1, DE 19917360 A1

L13: Entry 34 of 48

File: DWPI

Aug 10, 2000

DERWENT-ACC-NO: 2000-648441

DERWENT-WEEK: 200063

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tire damage detection system for cars uses acoustic sensors in the wheel rims

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 35. Document ID: JP 11180118 A

L13: Entry 35 of 48

File: DWPI

Jul 6, 1999

DERWENT-ACC-NO: 1999-438705

DERWENT-WEEK: 199939

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tire-pressure variation detection procedure for vehicles - involves detecting wheel with pneumatic pressure variation, based on offset of wheel speed difference data in particular steering angle position measured beforehand

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 36. Document ID: WO 9806078 A1, ZA 9706950 A, AU 9739718 A, US 5825286 A

L13: Entry 36 of 48

File: DWPI

Feb 12, 1998

DERWENT-ACC-NO: 1998-145819

DERWENT-WEEK: 199849

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Vehicle wheel based data collection and transmission system - has intelligent sensors on vehicle wheels that periodically transmit data by RF to central monitoring and alarm computer

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 37. Document ID: WO 9725604 A1, DE 29716210 U1, FR 2743632 A1

L13: Entry 37 of 48

File: DWPI

Jul 17, 1997

DERWENT-ACC-NO: 1997-372990

DERWENT-WEEK: 199804

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Computer controlled automobile tyre testing system with remote camera sensors - digitises images of tyre surface contour and compares with memorised data to if tyre pressure is correct

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 38. Document ID: GB 2307555 A, JP 3025998 B2, DE 19543928 A1, DE 19543928 C2, JP 09188238 A, GB 2307555 B, US 5723768 A

L13: Entry 38 of 48

File: DWPI

May 28, 1997

DERWENT-ACC-NO: 1997-261914

DERWENT-WEEK: 200020

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Method for early recognition of floating of vehicle tyre on wet road - includes step of recording via sensor rotational speed of wheel, evaluating frequency spectrum of wheel speed, comparing data to natural resonance behaviour of rotational tyre

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 39. Document ID: DE 19523917 A1, DE 19523917 C2

L13: Entry 39 of 48

File: DWPI

Jan 2, 1997

DERWENT-ACC-NO: 1997-053673

DERWENT-WEEK: 199830

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Detection, measurement and display of tyre tread depth during travel on wet roads - using sensor to measure max. water quantity thrown up by tyre tread for comparison with computer stored characteristic curves of speed and amplitude

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 40. Document ID: WO 9638004 A1, CN 1157078 A, US 5600435 A, EP 772939 A1, US 5731870 A, KR 97705304 A, HU 9700219 A2

L13: Entry 40 of 48

File: DWPI

Nov 28, 1996

DERWENT-ACC-NO: 1997-021547

DERWENT-WEEK: 200139

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Optical sensor apparatus for automobile wheel alignment machines - has light source to project laser light onto tyre sidewall and camera which receives reflected light and provides data stream to microprocessor

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms

Documents

L12 and (compar\$ with (curves or data))

48

**Display Format:**

-

[Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 41 through 48 of 48 returned.

☐ 41. Document ID: US 5537090 A

L13: Entry 41 of 48

File: DWPI

Jul 16, 1996

DERWENT-ACC-NO: 1996-341666

DERWENT-WEEK: 199634

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Truck tyre under-inflation detection system - utilises contact or non-contact thermometers directed toward tyre-wheel assembly which transmit approximate temp. of each tyre-wheel assembly to computer to identify each abnormally overheated tyre-wheel assembly

|      |       |          |       |        |                |      |           |                           |                             |        |      |         |
|------|-------|----------|-------|--------|----------------|------|-----------|---------------------------|-----------------------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | <a href="#">Sequences</a> | <a href="#">Attachments</a> | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|---------------------------|-----------------------------|--------|------|---------|

☐ 42. Document ID: JP 3854635 B2, WO 9620843 A1, AU 9647507 A, US 5569848 A, EP 800464 A1, JP 10512515 W, KR 98701221 A, BR 9606862 A, CN 1177319 A, EP 800464 B1, DE 69624557 E, ES 2183930 T3, KR 397951 B, CN 1072137 C

L13: Entry 42 of 48

File: DWPI

Dec 6, 2006

DERWENT-ACC-NO: 1996-333857

DERWENT-WEEK: 200680

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Vehicle having multiple tyre and wheel assemblies operating information obtaining method - using sensing unit operably associated with toothed rings in manner to sense rotation speed of wheel assembly, speedometer and odometer display units connected to sensors via computer

|      |       |          |       |        |                |      |           |                           |                             |        |      |         |
|------|-------|----------|-------|--------|----------------|------|-----------|---------------------------|-----------------------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | <a href="#">Sequences</a> | <a href="#">Attachments</a> | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|---------------------------|-----------------------------|--------|------|---------|

☐ 43. Document ID: WO 9606747 A2, AU 9533926 A, WO 9606747 A3, EP 778803 A1, JP 10504783 W, KR 97705481 A, US 6271748 B1, US 20020044050 A1, US 6545599 B2

L13: Entry 43 of 48

File: DWPI

Mar 7, 1996

DERWENT-ACC-NO: 1996-160230

DERWENT-WEEK: 200339

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Motor vehicle tyre condition monitoring system - transmits data from tyre temperature, pressure and rotation sensors by RF to analysing unit for comparison

with thresholds set by user

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 44. Document ID: DE 4400913 B4, DE 4400913 A1, US 5561415 A

L13: Entry 44 of 48

File: DWPI

Sep 9, 2004

DERWENT-ACC-NO: 1995-255727

DERWENT-WEEK: 200459

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Method of detecting tyre pressure-loss for motor vehicle - involves using warning signal based on slip values derived from anti-lock braking sensors

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 45. Document ID: US 5377127 A, GB 2283822 B, GB 2283822 A, DE 4440384 A1, DE 4440384 C2

L13: Entry 45 of 48

File: DWPI

Dec 27, 1994

DERWENT-ACC-NO: 1995-043705

DERWENT-WEEK: 199751

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Software calibration of rotational speed sensors for four wheel drive vehicle - by scaling rotation detecting sensors to get accurate data and comparing stored data with sensed data generates scaling factor

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 46. Document ID: US N8111321 N

L13: Entry 46 of 48

File: DWPI

Mar 1, 1994

DERWENT-ACC-NO: 1994-118001

DERWENT-WEEK: 200317

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Remote tyre pressure sensing technique for stationary vehicle - attaching vibration frequency measuring device to external surface of tyre which is then struck with object, causing tyre to vibrate, measurement device converts vibration into corresp. electrical impulses

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 47. Document ID: DE 4140704 A1

L13: Entry 47 of 48

File: DWPI

Jun 17, 1993

DERWENT-ACC-NO: 1993-197836  
DERWENT-WEEK: 199325  
COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Controlled tyre pressure adjustment device - has compressor, to supply air to pressure vessel, and valve with pressure hose to inflate tyres

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 48. Document ID: SU 1140979 A

L13: Entry 48 of 48

File: DWPI

Feb 23, 1985

DERWENT-ACC-NO: 1985-228719  
DERWENT-WEEK: 198537  
COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Car tyres vulcanisation control system - has temp. sensing converted for model with output switched to model of final vulcanisation during cooling and output to computer

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

|       |                     |       |          |           |               |
|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

|  |           |
|--|-----------|
| Terms                                    | Documents |
| L12 and (compar\$ with (curves or data)) | 48        |

Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)



## Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 10 of 48 returned.

☐ 1. Document ID: JP 2006308514 A

L13: Entry 1 of 48

File: JPAB

Nov 9, 2006

PUB-NO: JP02006308514A

DOCUMENT-IDENTIFIER: JP 2006308514 A

TITLE: IMAGE PROCESSING TYPE SNOW COVER SENSOR ON ROAD SURFACE AND SNOW COVER  
DETECTING METHOD

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 2. Document ID: JP 2006168633 A

L13: Entry 2 of 48

File: JPAB

Jun 29, 2006

PUB-NO: JP02006168633A

DOCUMENT-IDENTIFIER: JP 2006168633 A

TITLE: OPTIMUM ARRANGEMENT POSITION DETERMINATION SYSTEM FOR TIRE INFORMATION  
READING DEVICE

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 3. Document ID: JP 2005156236 A

L13: Entry 3 of 48

File: JPAB

Jun 16, 2005

PUB-NO: JP02005156236A

DOCUMENT-IDENTIFIER: JP 2005156236 A

TITLE: METHOD FOR DETERMINING ROAD SURFACE CIRCUMSTANCE, AND ITS SYSTEM

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 4. Document ID: JP 2005008039 A

L13: Entry 4 of 48

File: JPAB

Jan 13, 2005

PUB-NO: JP02005008039A

DOCUMENT-IDENTIFIER: JP 2005008039 A

TITLE: TIRE AIR PRESSURE MONITORING DEVICE

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 5. Document ID: JP 2003276627 A

L13: Entry 5 of 48

File: JPAB

Oct 2, 2003

PUB-NO: JP02003276627A

DOCUMENT-IDENTIFIER: JP 2003276627 A

TITLE: VEHICLE CONTROL DEVICE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 6. Document ID: JP 2003154825 A

L13: Entry 6 of 48

File: JPAB

May 27, 2003

PUB-NO: JP02003154825A

DOCUMENT-IDENTIFIER: JP 2003154825 A

TITLE: TIRE AIR PRESSURE MONITORING DEVICE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 7. Document ID: JP 2002120530 A

L13: Entry 7 of 48

File: JPAB

Apr 23, 2002

PUB-NO: JP02002120530A

DOCUMENT-IDENTIFIER: JP 2002120530 A

TITLE: MONITORING METHOD FOR PNEUMATIC TIRE, AND MONITORING DEVICE THEREFOR

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 8. Document ID: JP 2001042943 A

L13: Entry 8 of 48

File: JPAB

Feb 16, 2001

PUB-NO: JP02001042943A

DOCUMENT-IDENTIFIER: JP 2001042943 A

TITLE: MOVING VEHICLE OPERATION CONTROL SYSTEM AND POSITION DETECTING METHOD

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 9. Document ID: JP 07260502 A

L13: Entry 9 of 48

File: JPAB

Oct 13, 1995

PUB-NO: JP407260502A

DOCUMENT-IDENTIFIER: JP 07260502 A

TITLE: PRESENT POSITION COMPUTING DEVICE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 10. Document ID: JP 07209034 A

L13: Entry 10 of 48

File: JPAB

Aug 11, 1995

PUB-NO: JP407209034A

DOCUMENT-IDENTIFIER: JP 07209034 A

TITLE: ANTIHYDROPLANING APPARATUS FOR AUTOMOBILE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

|       |                     |       |          |           |               |
|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

|  |           |
|--|-----------|
| Terms                                    | Documents |
| L12 and (compar\$ with (curves or data)) | 48        |

Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

## Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

**Search Results - Record(s) 11 through 20 of 48 returned.**

☐ 11. Document ID: JP 03281406 A

L13: Entry 11 of 48

File: JPAB

Dec 12, 1991

PUB-NO: JP403281406A

DOCUMENT-IDENTIFIER: JP 03281406 A

TITLE: CONTROL DEVICE FOR TIRE PRESSURE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 12. Document ID: JP 03267713 A

L13: Entry 12 of 48

File: JPAB

Nov 28, 1991

PUB-NO: JP403267713A

DOCUMENT-IDENTIFIER: JP 03267713 A

TITLE: NAVIGATION SYSTEM

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 13. Document ID: JP 60148769 A

L13: Entry 13 of 48

File: JPAB

Aug 6, 1985

PUB-NO: JP360148769A

DOCUMENT-IDENTIFIER: JP 60148769 A

TITLE: STEERING DEVICE FOR VEHICLES

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 14. Document ID: WO 3045753 A1

L13: Entry 14 of 48

File: EPAB

Jun 5, 2003

PUB-NO: WO003045753A1

DOCUMENT-IDENTIFIER: WO 3045753 A1

TITLE: METHOD FOR IMPROVING THE REGULATION BEHAVIOUR OF AN ANTI-LOCK HYDRAULIC BRAKING SYSTEM OF A MOTOR VEHICLE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 15. Document ID: EP 1219515 A1

L13: Entry 15 of 48

File: EPAB

Jul 3, 2002

PUB-NO: EP001219515A1

DOCUMENT-IDENTIFIER: EP 1219515 A1

TITLE: METHOD FOR ESTIMATING VEHICULAR RUNNING STATE, VEHICULAR RUNNING STATE ESTIMATING DEVICE, VEHICLE CONTROL DEVICE, AND TIRE WHEEL

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachment | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|----------|------------|--------|------|----------|

☐ 16. Document ID: WO 160644 A1

L13: Entry 16 of 48

File: EPAB

Aug 23, 2001

PUB-NO: WO000160644A1

DOCUMENT-IDENTIFIER: WO 160644 A1

TITLE: SYSTEM FOR DETECTING THE OPTIMUM TYRE INFLATION PRESSURE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachment | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|----------|------------|--------|------|----------|

☐ 17. Document ID: DE 19917360 A1

L13: Entry 17 of 48

File: EPAB

Oct 19, 2000

PUB-NO: DE019917360A1

DOCUMENT-IDENTIFIER: DE 19917360 A1

TITLE: Tire damage detection system for cars uses acoustic sensors in the wheel rims

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachment | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|----------|------------|--------|------|----------|

☐ 18. Document ID: EP 832766 A2

L13: Entry 18 of 48

File: EPAB

Apr 1, 1998

PUB-NO: EP000832766A2

DOCUMENT-IDENTIFIER: EP 832766 A2

TITLE: Tire pressure detecting device

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachment | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|----------|------------|--------|------|----------|

☐ 19. Document ID: EP 788901 A1

L13: Entry 19 of 48

File: EPAB

Aug 13, 1997

PUB-NO: EP000788901A1

DOCUMENT-IDENTIFIER: EP 788901 A1

TITLE: Method of detecting a deflated tyre on a vehicle

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMOC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 20. Document ID: DE 4140704 A1

L13: Entry 20 of 48

File: EPAB

Jun 17, 1993

PUB-NO: DE004140704A1

DOCUMENT-IDENTIFIER: DE 4140704 A1

TITLE: Controlled tyre pressure adjustment device - has compressor, to supply air to pressure vessel, and valve with pressure hose to inflate tyres

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMOC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

|       |                     |       |          |           |               |
|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

|  |           |
|--|-----------|
| Terms                                    | Documents |
| L12 and (compar\$ with (curves or data)) | 48        |

Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

## Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 21 through 30 of 48 returned.

☐ 21. Document ID: JP 2006242674 A

L13: Entry 21 of 48

File: DWPI

Sep 14, 2006

DERWENT-ACC-NO: 2006-683051

DERWENT-WEEK: 200671

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Light disconnection measuring device for measuring tread depth of tire, measures step-difference by comparing image data of bright line image of slit light formed on ground contact plane of tire, and reference length data

|      |       |          |       |        |                |      |           |           |             |        |      |         |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 22. Document ID: JP 2006168633 A

L13: Entry 22 of 48

File: DWPI

Jun 29, 2006

DERWENT-ACC-NO: 2006-495604

DERWENT-WEEK: 200651

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Optimal arrangement position determination system of tire information reader, compares strength of radio signal containing tire related data received corresponding to each arrangement position of tire information reader

|      |       |          |       |        |                |      |           |           |             |        |      |         |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 23. Document ID: DE 10360722 A1

L13: Entry 23 of 48

File: DWPI

Jul 21, 2005

DERWENT-ACC-NO: 2005-513189

DERWENT-WEEK: 200553

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: System for protection of occupants of vehicle in case of damaged or flat tire, comprising sensor, processing and indicating components

|      |       |          |       |        |                |      |           |           |             |        |      |         |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 24. Document ID: JP 3633590 B2, JP 2004026062 A

L13: Entry 24 of 48

File: DWPI

Mar 30, 2005

DERWENT-ACC-NO: 2004-161536

DERWENT-WEEK: 200522

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tire pressure sensor position identification method in two-wheeled motor vehicle, involves comparing pneumatic pressure detection data received from front and rear wheel sensors with prestored pressure value

|      |       |          |       |        |                |      |           |           |             |        |      |         |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMNC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 25. Document ID: EP 1365225 A1, US 20030214394 A1

L13: Entry 25 of 48

File: DWPI

Nov 26, 2003

DERWENT-ACC-NO: 2004-021692

DERWENT-WEEK: 200402

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tire performance sensing process for automobile e.g. car, involves comparing base line and updated analyses to provide output data that is applied against preprogrammed standards to generate signal

|      |       |          |       |        |                |      |           |           |             |        |      |         |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMNC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 26. Document ID: KR 2003083471 A

L13: Entry 26 of 48

File: DWPI

Oct 30, 2003

DERWENT-ACC-NO: 2004-165083

DERWENT-WEEK: 200416

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Method for transmitting data of pressure sensor of vehicle tire using change of magnetic field

|      |       |          |       |        |                |      |           |           |             |        |      |         |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMNC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 27. Document ID: EP 1487681 B1, WO 2003082643 A1, AU 2002315757 A1, BR 200209721 A, EP 1487681 A1, KR 2005014798 A, KR 2005016318 A, JP 2005521866 W, US 20050204806 A1, CN 1649764 A, RU 2281215 C2

L13: Entry 27 of 48

File: DWPI

Nov 15, 2006

DERWENT-ACC-NO: 2003-779427

DERWENT-WEEK: 200677

COPYRIGHT 2007 DERWENT INFORMATION LTD



TITLE: Tyre behavior monitoring method for motor vehicles, involves comparing cyclic curve of acceleration profile derived from tyre with reference curve and emitting signal indicating behavior of tyre based on comparison

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 28. Document ID: GB 2386428 B, GB 2386428 A

L13: Entry 28 of 48

File: DWPI

Jan 14, 2004

DERWENT-ACC-NO: 2003-880565

DERWENT-WEEK: 200410

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Vehicle tire monitoring system uses microprocessor to supply reference signal to a comparator circuit to determine when to send pressure and temperature data to central control

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 29. Document ID: GB 2386427 B, GB 2386427 A

L13: Entry 29 of 48

File: DWPI

Dec 24, 2003

DERWENT-ACC-NO: 2003-880564

DERWENT-WEEK: 200404

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Data transmission unit used in a vehicle tire monitoring system uses microprocessor to supply reference signal to a comparator circuit to determine condition to send data

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 30. Document ID: JP 2003146037 A

L13: Entry 30 of 48

File: DWPI

May 21, 2003

DERWENT-ACC-NO: 2003-474595

DERWENT-WEEK: 200345

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Tire pneumatic pressure reduction method involves determining pneumatic pressure reduction by comparing measured velocity of vehicle and wheel speed calculated from rotation data of tire

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

| Terms                                    | Documents |
|--|-----------|
| L12 and (compar\$ with (curves or data)) | 48        |

---

**Display Format:**  **Change Format**

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

# Hit List

**First Hit**

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

**Search Results - Record(s) 1 through 10 of 10 returned.**☐ **1. Document ID: US 20030050743 A1**

L10: Entry 1 of 10

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030050743

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030050743 A1

TITLE: Method and system for controlling the behaviour of a vehicle by controlling its tyres

PUBLICATION-DATE: March 13, 2003

## INVENTOR-INFORMATION:

| NAME               | CITY      | STATE | COUNTRY |
|--------------------|-----------|-------|---------|
| Caretta, Renato    | Gallarate |       | IT      |
| Cesarini, Riccardo | Bergamo   |       | IT      |
| Mancosu, Federico  | Milano    |       | IT      |

US-CL-CURRENT: 701/1; 340/442

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ **2. Document ID: US 20020166373 A1**

L10: Entry 2 of 10

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020166373

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020166373 A1

TITLE: Method and device for monitoring the instantaneous behaviour of a tyre during the running of a motor vehicle

PUBLICATION-DATE: November 14, 2002

## INVENTOR-INFORMATION:

| NAME                | CITY    | STATE | COUNTRY |
|---------------------|---------|-------|---------|
| Mancosu, Federico   | Milano  |       | IT      |
| Matrascia, Giuseppe | Seregno |       | IT      |

Gelosa, Elda  
Misani, Piero

Lissone  
Monza

IT  
IT

US-CL-CURRENT: 73/146

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

---

☐ 3. Document ID: US 20010029420 A1

L10: Entry 3 of 10

File: PGPB

Oct 11, 2001

PGPUB-DOCUMENT-NUMBER: 20010029420  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010029420 A1

TITLE: Apparatus and method for presuming condition of road surface

PUBLICATION-DATE: October 11, 2001

INVENTOR-INFORMATION:

| NAME              | CITY     | STATE | COUNTRY |
|-------------------|----------|-------|---------|
| Kawasaki, Hiroaki | Kobe-shi |       | JP      |
| Nakao, Yukio      | Kobe-shi |       | JP      |

US-CL-CURRENT: 701/80; 701/71, 701/90

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

---

☐ 4. Document ID: US 6763288 B2

L10: Entry 4 of 10

File: USPT

Jul 13, 2004

US-PAT-NO: 6763288  
DOCUMENT-IDENTIFIER: US 6763288 B2  
**\*\* See image for Certificate of Correction \*\***

TITLE: Method and system for monitoring and/or controlling behavior of a vehicle by measuring deformations of its tires

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

---

☐ 5. Document ID: US 6577941 B2

L10: Entry 5 of 10

File: USPT

Jun 10, 2003

US-PAT-NO: 6577941  
DOCUMENT-IDENTIFIER: US 6577941 B2

TITLE: Apparatus and method for determining condition of road surface

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 6. Document ID: US 6561018 B2

L10: Entry 6 of 10

File: USPT

May 13, 2003

US-PAT-NO: 6561018

DOCUMENT-IDENTIFIER: US 6561018 B2

TITLE: Method and device for monitoring the instantaneous behavior of a tire during the running of a motor vehicle

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 7. Document ID: US 6163747 A

L10: Entry 7 of 10

File: USPT

Dec 19, 2000

US-PAT-NO: 6163747

DOCUMENT-IDENTIFIER: US 6163747 A

TITLE: Road friction coefficient detecting apparatus and method thereof

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 8. Document ID: US 5771480 A

L10: Entry 8 of 10

File: USPT

Jun 23, 1998

US-PAT-NO: 5771480

DOCUMENT-IDENTIFIER: US 5771480 A

TITLE: Method and device for identifying kind of tire

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 9. Document ID: US 5561415 A

L10: Entry 9 of 10

File: USPT

Oct 1, 1996

US-PAT-NO: 5561415

DOCUMENT-IDENTIFIER: US 5561415 A

TITLE: Method and device for determining filling pressure loss of a pneumatic vehicle tire

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Abstracts | Attachments | Claims | KMIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 10. Document ID: US 5247831 A

L10: Entry 10 of 10

File: USPT

Sep 28, 1993

US-PAT-NO: 5247831

DOCUMENT-IDENTIFIER: US 5247831 A

TITLE: Method and system for monitoring the tire footprints of a motor vehicle, particularly for automatically optimizing the behavior of the motor vehicle

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Abstracts | Attachments | Claims | KMIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

|       |                     |       |          |           |               |
|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

|   |           |
|---|-----------|
| Terms                                     | Documents |
| L9 and (accelerat\$ with (curve or line)) | 10        |

Display Format:  [Previous Page](#)[Next Page](#)[Go to Doc#](#)